Adela Deng

Email: adeladengyijia@gmail.com

EDUCATION	**University of Chicago**	2017–2021
	B.S. in Mathematics with Honors, B.S. in Computer Science, Minor in Art History	

ACADEMIC EXPERIENCE

Oregon Programming Language Summer School — 2024, 2025
Participant

Summer School on Formal Methods — 2025
Participant

Stanford University — 2022–2024
Non-degree Graduate Student
Coursework: Program Analysis, Blockchain Technologies, Computer Security

INDUSTRY EXPERIENCE

Software Engineer, Google — 2021–Now
Google Distributed Cloud
- Designed a schema management system to configure client-demanded storage partitions on edge computing machines with security guarantees
- Developed an periodic, asynchronous machine health assessment system

Software Engineer Intern, Google — 2020
Istio
- Created a WebAssembly firewall extension to Envoy proxies on Istio service mesh

Math Developer Intern, Wolfram Alpha — 2020
Math Development Team
- Designed a graph-based algorithm to synthesize succinct human-readable proofs in Boolean algebra

TEACHING

Teaching Assistant, University of Chicago
CS 151 Introduction to Computer Science — Fall 2019

Grader, University of Chicago
CS 151 Introduction to Computer Science — Winter 2019

Safety Training, Hack Arts Lab at UChicago
3D printers and laser cutters — Fall 2018 - Spring 2019

Tutor, University of Chicago
Computer Science — Fall 2018

AWARDS & FELLOWSHIPS

Harper Award at University of Chicago	2021
1st Place in PayPal Hack – Chicago	2019
1st Place in Illinois Tech Association Challenge	2019
UChicago Grace Hopper Travel Grant	2018

VOLUNTEER	**Instructor**, Code Next Oakland by Google	
	Lead 3D modeling workshops for underrepresented students in tech	Spring 2022
	Interviewer, Generation Google Scholarship	
	Reviewed applications for women in computer science	Spring 2022
	Project Lead, She Votes Illinois	
	Led team of 5 to design and implement a new website	Fall 2019 - Winter 2020
	Chair of Outreach, TechTeam at UChicago	
	Recruited students to provide tech support for local NGOs	Fall 2019 - Spring 2021